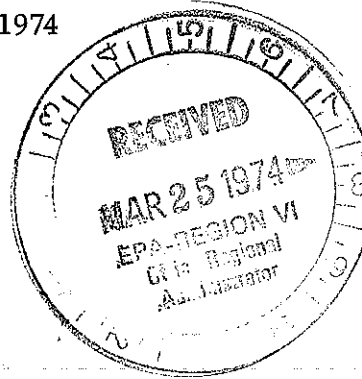


# ETHYL CORPORATION

March 21, 1974



ETHYL TOWER  
451 FLORIDA  
BATON ROUGE, LA. 70801

Mr. Arthur W. Busch  
Regional Administrator  
Environmental Protection Agency  
1600 Patterson Street, Suite 1100  
Dallas, Texas 75201

Ref. Ocean Dumping Permit 730D009A  
General Condition No. 10

Dear Mr. Busch:

Pursuant to instructions in Permit 730D009A this is to report the information as required in General Condition No. 10 of the Permit for dumpings that were initiated during the three month period ending February 1974. This supplements data furnished by our letter dated December 14, 1973 and completes information concerning disposals as covered by Permit 730D009A.

10a Information in the records to be kept pursuant to Paragraph 9 of the General Conditions as follows:

- 9 a. The material is a waste sodium-calcium sludge loaded into drums for disposal. The contents are solid metallic sodium, metallic calcium and oxides of these metals plus sodium and calcium chlorides. Sodium chloride is used as fill material added first to the bottom of the containing 55 gallon drum before the addition of the waste sodium calcium sludge and then to the top. The sodium chloride fills the void spaces and provides added weight to ensure sinking of the drum. Analyses are listed in Exhibit A under 9a attached.
- 9 b. The precise times, dates and locations of dumping are listed in Exhibit A under 9b attached.
- 9 c. No information was noted relative to the assessment of the impact of permitted dumping activities on the marine environment or human health or welfare.

10b A summary of the 48 hour reports required by Paragraph 7 of the General Conditions is attached as Exhibit B.

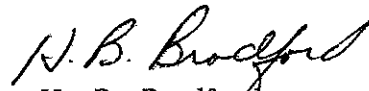
Mr. Arthur W. Busch  
March 21, 1974  
Page 2

10c Reports required in the Special Conditions have been submitted and listed in our previous six month summary dated November 14, 1973.

Very truly yours,

M. J. Voorhies, Jr., Manager  
Production Scheduling and Distribution

By:

  
H. B. Bradford

HBB:sak  
Attach.

## EXHIBIT A

### 9a Description of the Sodium-Calcium Sludge Chemical Analysis

Trip No.	174 No. 7	274 No. 8
Sodium (in Metal and Oxides)	67.3%	64.1%
Calcium (in Metal and Oxides)	7.4%	11.4%
Sodium and Calcium Chloride	19.5%	19.7%
Oxygen Content in Oxides	5.8%	4.8%

### 9b Time, Date and Location of Dumping

Commenced dumping - Date	1/19/74	2/3/74
Local Time (hours Central Daylight)	835	840
Latitude	28° 16'	28° 12'
Longitude	89° 28'	89° 21'
Ceased Dumping	1/19/74	2/3/74
Local Time (hours Central Daylight)	1435	1425
Latitude	28° 17'	28° 19'
Longitude	89° 19'	89° 22'
Mid Point Dumping		
when operation extended over 6 hours	6 hrs. 5 mins.	5 hrs. 45 mins.
Latitude	28° 4'	-
Longitude	89° 22'	-

## EXHIBIT B

A Summary of the 48 hour Reports as Required by Paragraph 7 of the General Conditions

Trip No.  
Total Drums  
Total Weight (lbs.)

*corrected  
to 700  
see Model 22 letter attached*

174 No. 7  
300  
346,500

274 No. 8  
685  
339,075

### Chemical Analysis

Total Sodium (in Metal and Oxides)	67.3%	64.1%
Total Calcium (in Metal and Oxides)	7.4%	11.4%
Sodium and Calcium Chlorides	19.5%	19.7%
Oxygen Content in Oxides	5.8%	4.8%
Copper	1.44 ppm	1.4 ppm

Total %

100

100

### Contents

Sodium as Metal (pounds)	223,194	217,347
Calcium as Metal (pounds)	25,641	38,655
Sodium and Calcium Chloride (pounds)	67,567	66,797
Oxygen in Oxides (pounds)	20,097	16,276
Copper (pounds)	0.50	0.5

Total (pounds)

346,500

399,075

Trip No.

174 No. 7

274 No. 8

### Commenced Dumping

Date	1/19/74	2/3/74
Greenwich meantime (hours)	1335	1340
Latitude	28° 16'	28° 12'
Longitude	89° 28'	89° 21'

### Ceased Dumping

Date	1/19/74	2/3/74
Greenwich meantime (hours)	1935	1925
Latitude	28° 17'	28° 19'
Longitude	89° 19'	89° 22'

(Exhibit B Continued)

Mid Point when operation extended over a 6 hour period

Latitude	28° 4'	2
Longitude	89° 22'	2
Tug Used	Jim Lytal	Jim Lytal
Barge Used	Magnolia I	Magnolia I
Date Departed Baton Rouge	1-8-74 <sup>1</sup>	1/31/74
Date Returned Lockport	1-20-74 <sup>1</sup>	2/4/74

<sup>1</sup> Drums disposed of on Trip 7 left Baton Rouge on January 8, 1974 but were delayed due to bad weather and were dumped on January 19, 1974.

<sup>2</sup> Trip 8 required 5 hours and 45 minutes.